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AUGUST 06, 1998

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JONES & VOLENTINE, L.L.P.
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12200 SUNRISE VALLEY DRIVE
SUITE 150
RESTON, VA 20191



100731220A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/29/1998

REEL/FRAME: 9208/0864
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CSIPKES, ANDREI

DOC DATE: 03/31/1998

ASSIGNOR:

CHANDLER, WILLIAM KEITH

DOC DATE: 03/31/1998

ASSIGNOR:

MAHMOOD, WAQAR

DOC DATE: 03/31/1998

ASSIGNEE:

CIENA CORPORATION
1201 WINTERSON ROAD
LINTHICUM, MARYLAND 21090

SERIAL NUMBER: 09048331
PATENT NUMBER:

FILING DATE: 03/26/1998
ISSUE DATE:

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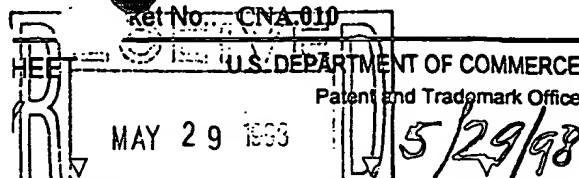
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PEARLENE FOSTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

06-08-1998



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

CSIPKES, Andrei
CHANDLER, William Keith
MAHMOOD, Waqar

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: March 31, 1998

2. Name and address of receiving party(ies):

Name: CIENA CORPORATION

Address: 1201 Winterson Road

City: Linthicum State/Prov.: MD

Country: U.S.A. ZIP: 21090

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No.

Filing date

B. Patent No.(s)

09/048,331

March 26, 1998

Additional numbers

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: RAYMOND C. JONES

Registration No. 34,631

Address: JONES & VOLENTINE, L.L.P.

12200 SUNRISE VALLEY DRIVE, SUITE 150

City: RESTON State/Prov.: VA

Country: U.S.A. ZIP: 20191

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0238

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01000504 Statement and signature.

40.00 09

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

RAYMOND C. JONES

Name of Person Signing

Signature

MAY 29, 1998

Date

Total number of pages including cover sheet, attachments, and

3

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) of Inventor(s) Andrei CSIPKES
William Keith CHANDLER
Waqar MAHMOOD and

Insert Name(s) of Assignee(s) the undersigned hereby sell(s) and assign(s) to
CIENA CORPORATION, Legal Department
Address of 920 Elkridge Landing Road, Linthicum, MD 21090

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of Invention APPARATUS FOR INTEGRATING STEPS OF A PROCESS FOR INTERCONNECTING OPTICAL FIBERS

Date of Signing of Application for which an application for patent in the United States of America has been executed by the undersigned
on March 31, 1998

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) to Raymond C. Jones, Reg. No. 34,631 and Adam C. Volentine, Reg. No. 33,289, members of the firm of JONES & VOLENTINE, L.L.P. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 3-31-98, Name of Inventor Andrei CSIPKES

Date 3-31-98, Name of Inventor William Keith CHANDLER

Date 3-31-98, Name of Inventor Waqar MAHMOOD

Date _____, Name of Inventor _____

Date _____, Name of Inventor _____ Technology Center 2600

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(Note regarding Witnessing and/or Acknowledgment: Acknowledgment before a United States Consul is preferred but not required. If not acknowledged, then it is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even if it has not been acknowledged and/or witnessed.)

Witness MUHAMMAD J RAZA

Witness Jeffrey D. Babbitt

ACKNOWLEDGMENT

} ss

This 31st day of March, 1998, before me

personally came the above-named _____

to me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

Dorita Robinson
Official Signature

Notary Public
Official Title

SEAL

Applicant Reference No.: _____

Atty Docket No.: CNA.010